

Patent Claims

1. A vehicle seat, preferably a vehicle seat for relaxing on, having a seat cushion and a lower leg support, which is fastened pivotably to the seat cushion, can be moved in an infinitely variable manner between a stowaway position and a position of use and fixed in a freely selectable position, characterized in that the lower leg support (3) has an overload safeguard (6) which releases the fixation of the lower leg support (3) in the event of overload, thereby allowing it to give way in the event of an overload.

2. The vehicle seat as claimed in claim 1, characterized in that the lower leg support (3) is connected pivotably to a frame of the seat cushion (2) via an inclination-adjusting device (5).

3. The vehicle seat as claimed in claim 2, characterized in that the inclination-adjusting device (5) is designed to self-locking, and the overload safeguard (6) interacts with the inclination-adjusting device (5) in order to release the self-locking of the inclination-adjusting device (5) in the event of overload, thereby allowing the lower leg support (3) to be pivoted freely in the event of overload.

4. The vehicle seat as claimed in claim 2 or 3, characterized in that the inclination-adjusting device (5) has a driving motor (51), preferably an electric driving motor, for pivoting the lower leg support (3).

5. The vehicle seat as claimed in one of claims 1 to 4, characterized in that the overload safeguard (6) has two disks (61, 62), which are acted upon by a spring, have a frictional connection and are connected to each other in a rotationally fixed manner such that the rotationally fixed

frictional connection of the disks (61, 62) can be released in the event of overload.

6. The vehicle seat as claimed in claim 5, characterized in that the two disks (61, 62) are arranged parallel to each other and situated one behind the other on a shaft (53) and in each case have a tothing (63) which is arranged, preferably in an encircling manner, on a side surface of the disk (61, 62) and engages in the tothing (63) of the opposite disk (62, 61).

7. The vehicle seat as claimed in claim 6, characterized in that the tothing (63) is of asymmetrical design, so that only in a defined position of the disks (61, 62) with respect to each other are the latter in engagement with each other.

8. The vehicle seat as claimed in claim 6 or 7, characterized in that the overload safeguard (6) has a spring, preferably a disk spring, which presses the disks (61, 62) against each other, and in that the tothing (63) has teeth (64) having at least one, preferably two, beveled flanks (65) which are designed in such a manner that they push the disks (61, 62) apart counter to the spring force when a torque is introduced into the overload safeguard.

Abstract

The invention relates to a vehicle seat (1) having a lower leg support (3) fastened pivotably to a seat cushion (2).

5 Said lower leg support can be moved in an infinitely variable manner between a stowaway position and a position of use and can be fixed in a freely selectable position.

10 In order to ensure great reliability against incorrect operation, the lower leg support (3) has an overload safeguard (6) which releases the fixation of the lower leg support (3) in the event of overload, thereby allowing it to give way.

15 (Figure 4)